

JUL 24 2002



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1600

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/573,442

DATE: 07/18/2002
TIME: 13:32:13

Input Set : D:\46433-20001.txt
Output Set: N:\CRF3\07182002\I573442.raw

3 <110> APPLICANT: Genway Biotech, Inc.
4 Duan, Lingxun
5 Zhang, Weiwei
7 <120> TITLE OF INVENTION: METHODS AND VECTORS FOR GENERATING ANTIBODIES IN AVIAN
8 SPECIES AND USES THEREFOR
11 <130> FILE REFERENCE: 46433-20001.20
13 <140> CURRENT APPLICATION NUMBER: US 09/573,442
14 <141> CURRENT FILING DATE: 2000-05-16
16 <150> PRIOR APPLICATION NUMBER: PCT/US99/26843
17 <151> PRIOR FILING DATE: 1999-11-12
19 <150> PRIOR APPLICATION NUMBER: US 60/108,487
20 <151> PRIOR FILING DATE: 1998-11-16
22 <160> NUMBER OF SEQ ID NOS: 24
24 <170> SOFTWARE: FastSEQ for Windows Version 4.0
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 22
28 <212> TYPE: DNA
29 <213> ORGANISM: Artificial sequence
31 <220> FEATURE:
32 <223> OTHER INFORMATION: CMV-1 oligonucleotide
34 <400> SEQUENCE: 1
35 caccctgaat tgactctctt tc 22
37 <210> SEQ ID NO: 2
38 <211> LENGTH: 42
39 <212> TYPE: DNA
40 <213> ORGANISM: Artificial sequence
42 <220> FEATURE:
43 <223> OTHER INFORMATION: Pac11-1 oligonucleotide
45 <400> SEQUENCE: 2
46 atatgaattc ttaattaaga tctccatggt ggcctctcct tc 42
48 <210> SEQ ID NO: 3
49 <211> LENGTH: 35
50 <212> TYPE: DNA
51 <213> ORGANISM: Artificial sequence
53 <220> FEATURE:
54 <223> OTHER INFORMATION: Pac1 oligonucleotide
56 <400> SEQUENCE: 3
57 cgcggaattc gcggccgcta ccaggtaagt gtacc 35
59 <210> SEQ ID NO: 4
60 <211> LENGTH: 34
61 <212> TYPE: DNA
62 <213> ORGANISM: Artificial sequence
64 <220> FEATURE:

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65 <223> OTHER INFORMATION: ter-2 oligonucleotide
67 <400> SEQUENCE: 4
68 cgagtagttt aaacaaaaaa cccctcaagt cccg          34
70 <210> SEQ ID NO: 5
71 <211> LENGTH: 31
72 <212> TYPE: DNA
73 <213> ORGANISM: Artificial sequence
75 <220> FEATURE:
76 <223> OTHER INFORMATION: T7A oligonucleotide
78 <400> SEQUENCE: 5
79 agatctgttt aaaccagggtg gcacttttcg g          31
81 <210> SEQ ID NO: 6
82 <211> LENGTH: 31
83 <212> TYPE: DNA
84 <213> ORGANISM: Artificial sequence
86 <220> FEATURE:
87 <223> OTHER INFORMATION: T7B oligonucleotide
89 <400> SEQUENCE: 6
90 agatctgttt aaacagctgt ttcctgtgtg a          31
92 <210> SEQ ID NO: 7
93 <211> LENGTH: 20
94 <212> TYPE: PRT
95 <213> ORGANISM: Artificial Sequence
97 <220> FEATURE:
98 <223> OTHER INFORMATION: chicken IgY Vh1 signal domain
100 <400> SEQUENCE: 7
101 Met Ser Pro Leu Val Ser Ser Leu Leu Leu Ala Ala Leu Pro Gly
102 1          5          10          15
103 Leu Met Ala Ala
104          20
106 <210> SEQ ID NO: 8
107 <211> LENGTH: 71
108 <212> TYPE: DNA
109 <213> ORGANISM: Artificial sequence
111 <220> FEATURE:
112 <223> OTHER INFORMATION: Linker-1
114 <400> SEQUENCE: 8
115 aaccctcttc catgagccca ctcgtctcct ccctcctgct cctggccgcc ctgccagggc          60
116 tgatggcggc c          71
118 <210> SEQ ID NO: 9
119 <211> LENGTH: 62
120 <212> TYPE: DNA
121 <213> ORGANISM: Artificial sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: Linker-2
126 <400> SEQUENCE: 9
127 cagatcctct tcgaagctag cggccgcgaa ttcttaatta aggccgccat cagccctggc          60
128 ag          62
130 <210> SEQ ID NO: 10

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131 <211> LENGTH: 32
132 <212> TYPE: DNA
133 <213> ORGANISM: Artificial sequence
135 <220> FEATURE:
136 <223> OTHER INFORMATION: MF 18 oligonucleotide
138 <400> SEQUENCE: 10
139 ggaagcttgc cgccatggct gctaggctgt gc 32
141 <210> SEQ ID NO: 11
142 <211> LENGTH: 25
143 <212> TYPE: DNA
144 <213> ORGANISM: Artificial sequence
146 <220> FEATURE:
147 <223> OTHER INFORMATION: MF 19 oligonucleotide
149 <400> SEQUENCE: 11
150 gtggagacgg attagtacca tggcc 25
152 <210> SEQ ID NO: 12
153 <211> LENGTH: 33
154 <212> TYPE: DNA
155 <213> ORGANISM: Artificial sequence
157 <220> FEATURE:
158 <223> OTHER INFORMATION: MF 26 oligonucleotide
160 <400> SEQUENCE: 12
161 aagagctcgc caccatggcc ctatcctatc aac 33
163 <210> SEQ ID NO: 13
164 <211> LENGTH: 29
165 <212> TYPE: DNA
166 <213> ORGANISM: Artificial sequence
168 <220> FEATURE:
169 <223> OTHER INFORMATION: HBVpol-2 oligonucleotide
171 <400> SEQUENCE: 13
172 tcaccttaag gtgttggaag gtggtttga 29
174 <210> SEQ ID NO: 14
175 <211> LENGTH: 29
176 <212> TYPE: DNA
177 <213> ORGANISM: Artificial sequence
179 <220> FEATURE:
180 <223> OTHER INFORMATION: Pol-3 oligonucleotide
182 <400> SEQUENCE: 14
183 ggccatgcag tggaattcca ctgccttcc 29
185 <210> SEQ ID NO: 15
186 <211> LENGTH: 30
187 <212> TYPE: DNA
188 <213> ORGANISM: Artificial sequence
190 <220> FEATURE:
191 <223> OTHER INFORMATION: Pol-4 oligonucleotide
193 <400> SEQUENCE: 15
194 aaccaagctt cacggtggtc tggatgcaac 30
196 <210> SEQ ID NO: 16
197 <211> LENGTH: 22

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198 <212> TYPE: DNA
199 <213> ORGANISM: Artificial sequence
201 <220> FEATURE:
202 <223> OTHER INFORMATION: hCD34-1 primer
204 <400> SEQUENCE: 16
205 gaaggatgct ggtccgcagg gg                22
207 <210> SEQ ID NO: 17
208 <211> LENGTH: 22
209 <212> TYPE: DNA
210 <213> ORGANISM: Artificial sequence
212 <220> FEATURE:
213 <223> OTHER INFORMATION: hCD34-2 primer
215 <400> SEQUENCE: 17
216 cacctagccg agtcacaatt cg                22
218 <210> SEQ ID NO: 18
219 <211> LENGTH: 21
220 <212> TYPE: DNA
221 <213> ORGANISM: Artificial sequence
223 <220> FEATURE:
224 <223> OTHER INFORMATION: Cp 53-1 oligonucleotide
226 <400> SEQUENCE: 18
227 atggcgagg agatggaacc a                21
229 <210> SEQ ID NO: 19
230 <211> LENGTH: 24
231 <212> TYPE: DNA
232 <213> ORGANISM: Artificial sequence
234 <220> FEATURE:
235 <223> OTHER INFORMATION: Cp 53-2 oligonucleotide
237 <400> SEQUENCE: 19
238 tcagtccgag cctttttgca gcag            24
240 <210> SEQ ID NO: 20
241 <211> LENGTH: 18
242 <212> TYPE: DNA
243 <213> ORGANISM: Artificial sequence
245 <220> FEATURE:
246 <223> OTHER INFORMATION: C-Ras-1 oligonucleotide
248 <400> SEQUENCE: 20
249 atgaccgagt acaagctg                    18
251 <210> SEQ ID NO: 21
252 <211> LENGTH: 22
253 <212> TYPE: DNA
254 <213> ORGANISM: Artificial sequence
256 <220> FEATURE:
257 <223> OTHER INFORMATION: C-Ras-2 oligonucleotide
259 <400> SEQUENCE: 21
260 tcacgatatc acgcatttac ag                22
262 <210> SEQ ID NO: 22
263 <211> LENGTH: 44
264 <212> TYPE: DNA

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265 <213> ORGANISM: Artificial Sequence
267 <220> FEATURE:
268 <223> OTHER INFORMATION: polilinker region DNA sequence
270 <400> SEQUENCE: 22
271 atggagatct taattaagaa ttgcgggccg ctaccaggta agtg          44
273 <210> SEQ ID NO: 23
274 <211> LENGTH: 95
275 <212> TYPE: DNA
276 <213> ORGANISM: Artificial Sequence
278 <220> FEATURE:
279 <223> OTHER INFORMATION: polilinker region DNA sequence
281 <400> SEQUENCE: 23
282 atgagcccac tcgtctcctc cctcctgctc ctggccgccc tgccagggct gatggcggcc    60
283 ttaattaaga attcgcgggc gctaccagggt aagtg                                95
285 <210> SEQ ID NO: 24
286 <211> LENGTH: 20
287 <212> TYPE: PRT
288 <213> ORGANISM: Artificial Sequence
290 <220> FEATURE:
291 <223> OTHER INFORMATION: chicken IgY Vh1 secreted domain
293 <400> SEQUENCE: 24
294 Met Ser Pro Leu Val Ser Ser Leu Leu Leu Leu Ala Ala Leu Pro Arg
295 1          5          10          15
296 Leu Met Ala Ala
297          20

```

VERIFICATION SUMMARY

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